

Need To Know Checklist
Foundations of Math and Pre-Calculus 10
Unit 4: Linear Functions
Textbook: Ch 6 (pg 330-391)

Vocabulary

Slope-Also known as rate of change. Describes both the direction and steepness of a line.

Negative Reciprocals-the result of taking the reciprocal of a number and then changing the sign.

Slope-intercept form- $y=mx+b$. This is called the slope-intercept form because " m " is the slope and " b " gives the y -intercept.

Slope-point form-given a point (x_1, y_1) and a slope m , $y - y_1 = m(x - x_1)$

General form-The general form of a line is represented by $Ax + By + C = 0$.

Checklist

- ☐ I can determine the slope of a line segment
- ☐ I can draw a line segment with a given slope
- ☐ I can determine slope given two points on a line
- ☐ I understand how to interpret the slope of a line
- ☐ I can identify parallel lines
- ☐ I can identify a line perpendicular to a given line
- ☐ I understand the difference between slope intercept form and slope-point form
- ☐ I can write an equation of a linear function given its slope and y intercept
- ☐ I can write the equation of a linear function given its graph
- ☐ I can graph a linear function given its slope-point and slope intercept form
- ☐ I can write an equation using a point in the line and its slope
- ☐ I can write an equation of a linear function given two points.
- ☐ I can rewrite an equation in general form
- ☐ I can graph a line in general form
- ☐ I can determine the slope of a line given its equation in general form